

VITEK, J.

Pathogenesis and therapy of spasmodic conditions. Neur. psychiat.  
cesk. 15 no. 3-4:141-150 Aug 1952. (GLML 23:1)

1. Of the Neurological Department (Head--Prof. J. Vitek, M. D.) of  
the Polyclinic of Charles University, Prague.

VITEK, Jiri

Modifications during examination of reflexes and their clinical significance. Cas.lek.cesk. 91 no.45-46:1387-1390 14 Nov 52.

1.2 neurolog. oddel. zdravot. strediska (polikliniky) SFM. Prednosta; prof. dr. Jiri Vitek.

(REFLEX,

musc., clin. investigation)

(MUSCLES, physiology,

reflexes, clin. investigation)

VITK, J. Prof. Dr

Neurologic symptoms in neurotics. Prakt. lek., Praha 34 no.18:414-  
416 20 Sept 54.  
(NEUROSIS, manifestations)

VITEK, J.

Craniocerebral and medullary cervicogenic syndrome. Cas. lek.  
cesk. 95 no.41:1129-1131 12 Oct 56.

1. Neurologická klinika KU, prednosta: akademik K. Henner,  
Praha 12, Celakovského sady 12.

(NERVES, CERVICAL PLEXUS, dis.  
cervicocraniocerebral synd. (Cz))

(SPINAL CORD, dis.  
cervicogenic synd. (Cz))

VITEK, Jiri

Spasmofilni neuropathie (spasmofilni neuropathicky teren) a spasmofilni neurosa u dospelych a u deti. (Spasmophilic neuropathy (Spasmophilic Neuropathic Terrain) and Spasmophilic Neurosis in Adults and Children. 1st ed. illus., bibl, English and Russian summaries.) Prague, SZdN, 1957. 110 p. No. 366 of the series Thomayerova sbirka prednasek and rozprav z oboru lekarskeho (Thomayer's Collection of Lectures and Discussions on Medicine)

The study is drawing attention to the relatively frequent, although hidden and, in a way, different, neuropathic terrain of the so-called spasmophilic neuropathy, determination of which is important for the prevention, diagnosis, inspection, and therapy in various branches of medicine. It is determined by certain tests, i.e. by the phenomena of the mechanical idioneural excitability positively demareated in certain peripheral nerves. The book is intended for physicians in all medical fields.

Bibliograficky katalog, CSR, Ceske knihy, No. 30. 3 Sept 57. p. 652.

VITEK J.

HERMANSKY, F.; VITEK, J.; POSSNEROVA, V.

Circulating anticoagulant of antithromboplastic type in  
congenital syphilis. Cas. lek. cesk. 96 no.31:993-998  
26 July 57.

1. Vyskumna laborator pro pathofysiologii krvetvorby a jater  
pri I. interni klinice EU, prednosta prof. dr. M. Netousek  
F. H., Praha 2, U nemocnice 2.  
(SYPHILIS, CONGENITAL, blood in  
circulating anticoagulant of antithromboplastic type  
(Cs))

This is prob.  
same as previously

VITEK, J.; KUMCOVA, Z.; NESPOR, E.

Basal neuropathy in a paroxysmal disease. Cesk.pediat. 14 no.12:  
1075-1079 D '59.

1. Fakultni poliklinika KU v Praze.  
(EPILEPSY)

VITEK, J., prof. dr. DrSc.

A survey of up-to-date scientific and research activities of  
academician Kamil Henner on his 70th birthday. Cesk. akad.  
28 no.2:133-151 Ap '65.



VITEK, J.; ZEJDA, V.; KASPAR, Z.

Damage to the lymphatic system with crystalloid contrast medium in the presence of impaired lymphatic drainage. Rozh. chir. 42 no.9:621-624 S '63.

1. I chirurgická klinika lékařské fakulty UJEP v Brně, před-  
nosta prof. dr. J. Podlaha, DrSc.  
(LYMPHOGRAPHY) (IODOPYRACET)  
(LYMPHATIC SYSTEM)

2  
CZECHOSLOVAKIA

DOKTOROV, V; VITK, J.

1. Stomatological Ward of the State Sanatorium (Stomatologické oddelenie štátneho sanatória), Bratislava (for Doktorov); 2. Dental Clinic of the Medical Faculty of UK (Úbna klinika Lekárskej fakulty UK), Bratislava

Prague, Československá stomatologie, No 4, 1963, PP 225-229

"Investigations of the Blood Supply of the Parodontal Tissue in Gingivitis marginalis chronica by Means of Na24."

ZEJDA, V.; VITEK, J.; KASPAR, Z.

Röntgen lymphography of the deep system of the shank. Rozhl.  
chir. 42 no.2:101-105 F '63.

1. I. chirurgická klinika lékařské fakulty UJEP v Brně, přednosta  
prof. dr. J. Podlaha, DrSc.  
(LYMPHATIC SYSTEM) (LEG) (ANGIOGRAPHY) (VEINS)

HERMANSKY, F.; HERMANSKA, Z.; VITEK, J.; KASTILOVA, B.

On the problem of the level of antithrombin activity. Sborn lek.  
65 no.1:8-20 Ja '63.

1. Laborator pro patofyziologii krvetvorby a jater pri I. interni klinice  
fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta  
prof. dr. V. Heonig Ustredni hematologicke laboratore fakultni  
nemocnice v Praze 2, prednosta MUDr. M. Suchan.  
(FIBRINOGEN) (BLOOD COAGULATION FACTORS) (THROMBIN)

VITEK, J.; VRUBEL, F.; ZEJDA, V.

Primary carcinoma of the gastric stump after resection in peptic ulcer. Cesk. gastroent. vyz. 15 no.3:224-228 My '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.  
(GASTRECTOMY compl) (STOMACH NEOPLASMS case reports)

VITEK, J.; VRUBEL, F.; ZEJDA, V.

Obstruction of the large intestine in biliary calculi. Cesk.  
gastroent. vyz. 15 no.1:64-66 F '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.  
(INTESTINAL OBSTRUCTION etiol.)  
(CHOLELITHIASIS complications)

VITEK, Jiri

Axio-periaxial syndrome. Cesk. neurol. 25 no.4:280-283 J1 '62.

(BRAIN dis)

VLACH, Vladimir; VITEK, Jiri; HOUBOVA, Jaroslava

Meningeal syndrome as a frequent cause of acute leukemia in childhood.  
Cesk. neur. 24 no.1:14-19 Ja '61.

1. Neurologicka klinika, prednosta akad. K. Henner, III detska klinika,  
prednosta prof. MUDr. O. Vychytil.

(LEUKEMIA in inf & child)

(NEUROLOGIC MANIFESTATIONS in inf & child)

(MENINGES pathol)



ANDERLIK, Michal; VITEK, Josef

Use of the MI-1 helicopter for electrical engineering operations. Energetika Cz 14 no.7:342 JI'64

1. Central Administration of Power Engineering, Prague ( for Anderlik). 2. Organization for Rationalization of Power Engineering Plants National Enterprise, Prague (for Vitek).

VRUBEL, F.; ZEJDA, V.; VITEK, J.

On the problem of diagnosis and therapy of primary retroperitoneal tumors. Rozhl. chir. 40 no.8:543-547 Ag '61.

1. I chirurgická klinika University J. Ev. Purkyně v Brně, přednosta prof. MUDr. J. Podlaha.

(RETROPERITONEAL SPACE neopl)

VITEK, Karel, promovany ekonom

System of remuneration is a means for application of material incentives to the management. Doprava no.9:303-305 '62.

VITEK, K.

Nomograph for calculating the backwater curve for nonuniform flow in channels according to P. Novak.

P. 218, (Vodni Hospodarstvi) No. 8, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

VITEK, K.

Nomographic procedure for pipeline design according to the formula of Manning.

p. 159  
Vol. 5, no. 5, May 1955  
VODNI HOSPODARSTVI  
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3  
March 1956

VITEK, Karel, promovany ekonom

Use of socialist value categories in the management of public  
highway transportation. Doprava no.4:260-265 '64.

VITEK, Karel, promovany ekonom

Comments on the coordination of transportation. Doprava no.12:421-422 '62.

1. Ceskoslovenska statni automobilova doprava, Vsetin.

RADA, Jiri, inz.; VITEK, Lubor, inz.

Origin of exciting forces during turbine blade oscillations.  
Zpravodaj VZLU no.1:39-42 '63.



VITEK, Miroslav, dr.

Are you using all possibilities? Geol pruzkum 5 no.9:280 S  
'63.

1. Utvar technicko-ekonomického rozvoje, oborove stredisko  
technickych informaci, vynalezu a zlepsovacich navrhu, Brno.

VITEK, Miroslav

Protective boring at the Mathilda mine. Geol průzkum 6  
no.1:29-30 Ja'64.

KADLEC, Vladimir; KRYL, Frantisek; VITEK, Miroslav

Use of the radioargon in measuring the efficiency of an exhaust device. Jaderna energie 8 no.8:284-285 Ag '62.

KADLEC, Vladimir; KRYL, Frantisek; VITEK, Miroslav

Use of the radioargon in measuring the efficiency of an exhaust device. Jaderna energie 8 no.8:284-285 Ag '62.

VITEK, M.

"Shortening the time of ~~warp~~ weaving on cotton looms."

p. 446 (Textil) Vol. 12, no. 12, Dec. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

VITEK R.

\*Lokální léčba pyodermií chemoterapeutiky a barviv. Local treatment of pyodermas with chemotherapeutics and dyes BRATISLAVSKÉ LÉKÁRSKÉ LISTY 1953, 33/9 (813-816)  
Even in the era of antibiotics the chemotherapeutics are not superfluous. Prontosilum rubrum combined with sulphathiazole proved to be of value in local treatment of impetiginous infections. Schwenk - Prague

SO: Excerpta Medica  
Section XIII  
Vol. 9 No. 1

VITEK, R.; CHANA, J.

Testing and improving the quality of lipsticks in the Merchandise Testing and Research Institute of the Ministry of Domestic Trade. p. 293.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Praha, Czechoslovakia, Vol. 10, no. 6, June 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

uncl.

VITEK, Robert, inz.

Characteristics of disk fans and their evaluation with  
regard to the economical operation of separate ventilation.  
Rudy 11 no.10:345-349 O '63.

1. Vedeckovyzkumny uhelny ustav Ostrava - Radvanice.



CZECHOSLOVAKIA

KOUTECKY, J; PALDUS, J; VITEK, V.

1. Institute of Physical Chemistry of the Czechoslovak Academy of Sciences, Prague; 2. Mathematical-Physical Faculty of Charles University, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 6, 1963, pp 1468-1481

"Calculation of the Positions of the Alpha and Beta Bands  
in the Electronic Spectra of Benzenoid Hydrocarbons  
using the Method of Limited Configuration Interaction."

RYSANEK, K.; VITEK, V.

Effect of oral indoleacetic acid (heteroauxin) on excretion of 5-hydroxy-indoleacetic acid. Acta physiol. polon. 10 no.2:264-265  
Mar-Apr 59.

1. Z Oddzialu Doswiadczalnej Terapii Instytut Zywienia i Kliniki Choro  
Wewnetrznych Instytutu Dosztalcania Kadr Lekarskich w Pradze.

(INDOLEACETIC ACID, eff.

eff. of oral admin. of indoleacetic acid on 5-hydroxyindole-  
acetic acid excretion (Pol))

VITAK, V.; RYSANEK, K.; VOJTECHOVSKY, M.

Effect of benactyzine on serotonin metabolism. Acta physiol. polon.  
10 no.2:273-274 Mar-Apr 59.

1. Z Oddzialu Doswiadczalnej Terapii Instytutu Zywienia a Zakladu  
Chorob oraz Wewnetrznych Doksztalowania Lekarzy w Pradze.

(TRANQUILIZING AGENTS, eff.

benactizine on serotonin metab. (Pol))

(PARASYMPATHOLYTICS, eff.

same)

(SEROTONIN, metab.

eff. of benactyzine (Pol))

VOJTECHOVSKY, M.; VITEK, V1.; RYSANEK, K.; BULTASOVA, H.

Hallucinations and psychotic effects of large doses of benactyzine.  
Acta physiol. polon. 10 no.2:274-276 Mar-Apr 59.

1. Z Zakladu Wyzszej Czynnosci Nerwowej Instytutu Zywienia w Pradze i  
Pracowni Doswiadczalnej Terapii Oddzialu Wewnetrznego Instytutu Dokształ-  
cania Kadr Lekarskich w Pradze.

(TRANQUILIZING AGENTS, eff.

benactyzine inducing hallucinations & psychotic disord.  
in human volunteers (Pol))

(BARASYMPATHOLYTIC DRUGS, eff.

same)

(HALLUCINATIONS, exper.

benactyzine-induced in human volunteers (Pol))

BULTASOVA, H.; GROF, St.; HORACKOVA, E.; KUHN, E.; RYSINEK, K.; VITEK, V.  
VOJTECHOVSKY, M.

Psychopathology and biochemistry of experimental psychoses produced  
by anticholinergic hallucinogens. Cesk.psychiat. 56 no.1:14-23 P '60.  
(HALLUCINOGENS toxicol.)  
(PSYCHOSES TOXIC exper.)

RYŠANEK, K.; VÍTEK, V.; KORDOVA, V.

Is the peripheral action of benactyzine influence by the tryptamine?  
Cas. lek. česk. 99 no. 15:471-473 8 Ap '60.

1. Interní katedra UDL a oddělení experimentální terapie Vyskumného  
ústavu výživy lidu, Praha-Krc.  
(PARASYMPATHOLYTICS pharmacol.)  
(INDOLIS pharmacol.)

RYSANEK, K.; VITEK, V.

Early diagnosis of liver diseases. Determination of ornithine carbamyl transferase in the blood serum. Cas. lek. cesk. 99 no. 28:890-894 8 J1 '60.

1. Interní katedra Ústavu pro doskolování lékařů v Praze, přednosta  
doc. dr. O. Smahel, Ústav pro výzkum výživy lidí v Praze, přednosta  
doc. dr. J. Masek.

(TRANSFERASES blood)

(LIVER DISEASES blood)

BULTASOVA, H.; GROF, S.; HORACKOVA, E.; KUHN, E.; RYSANEK, K.; VITK, V.;  
VOJTECHOVSKY, M.

Psychopathology and biochemistry of experimental psychoses  
induced by anticholinergic hallucinogens. Ideg.szemle 13 no.8:  
225-234 Ag '60.

1. Institut für experimentelle Therapie in Prag 14. (Vorstand  
Doz. MUDr. O. Smahel) Institut für Ernährungsforschung in Prag 14  
(Vorstand Doz. MUDr. J. Masek) Psychiatrische Heilanstalt in  
Kosmonosy (Direktor MUDr. V. Danov)  
(HALLUCINOGENS pharmacol)  
(PSYCHOSES exper)



KUHN, E.; VITEK, V.; VOJTECHOVSKY, M.

Energy and lipid, steroid and serotonin metabolism after various  
hallucinogens. *Activ. nerv. sup.* 3 no.2:212-213 '61.

1. Ustav pro vyzkum vyziwy lidu a Vyskumny ustav experimentalni  
terapie, Praha.

(HALLUCINOGENS pharmacol) (LIPIDS metab)  
(SEROTONIN metab) (STEROIDS metab)

VITEK, V.; VOJTECHOVSKY, M.; GROF, S.

Serotonin metabolism in experimental psilocybin psychosis. *Activ. nerv. sup.* 3 no.2:213-215 '61.

1. Vyzkumny ustav experimentalni terapie, Ustav pro vyzkum vyzivy lidu Praha-Krc a Psychiatricka katedra UDL Praha Bohnice.

(SEROTONIN metab) (INDOLES pharmacol)  
(HALLUCINOGENS pharmacol) (PSYCHOSES exper)

RYSHANEK, K. [Rysanek, K.]; VITEK, V.---

Ornithine carbamyltransferase and glutamate-aspartate-transaminase  
in the blood serum in liver diseases. Vop. med. khim. 7 no.2:136-  
141 Mr-Apr '61. (MIRA 14:6)

1. Kafedra terapii Instituta usovershenstvovaniya vrachey i Otdeleniye  
eksperimental'noy terapii Instituta pitaniya, Praga.  
(ORNITHINE TRANSCARBAMYLASE) (TRANSAMINASE)  
(LIVER—DISEASES)

VITEK, V.

Some studies on gualacuran and mephenesin. *Activ. nerv. sup.* 3 no.2:  
200-201 '61.

1. Vyzkumny ustav experimentalni terapie, Praha-Krc.

(MEPHENESIN pharmacol)

(MUSCLE RELAXANTS pharmacol)

GROF, S.; VOJTECHOVSKY, M.; VITEK, V.

Comparative effects of domestic and foreign adrenochrome. *Activ. nerv.*  
sup. 3 no.2:209-210 '61.

1. Ustav pro doskolovani lekaru, Psychiatricka katedra Praha, Ustav  
pro vyzkum vyziwy lidu, Praha 4, Vyzkumny ustav experimentalni terapie,  
Praha 4.

(ADRENOCHROME pharmacol)

VITEK, V.; RYSANEK, K.; VOJTECHOVSKY, M.; SKALA, J.

New findings on the psychotropic activity of alcohol. *Activ. nerv.*  
sup. 4 no.2:201-202 '62.

1. Vyzkumny ustav experimentalni terapie, Interni katedra ULD, Ustav  
pro vyzkum vyziwy lidu, Praha-Krc a Psychiatricka klinika, protial-  
koholni oddeleni, Praha.

(ALCOHOL ETHYL pharmacol)  
(CENTRAL NERVOUS SYSTEM pharmacol)

RYSANEK, K.; VITEK, V.; VOJTECHOVSKY, M.; KUHN, E.

Biochemical studies on pharmacodynamics of new Czechoslovakian synthetic compounds releasing serotonin. *Activ. nerv. sup.* 4 no.2: 203-204 '62.

1. Interní katedra UDL, Vyzkumny ustav experimentalni terapie a Ustav pro vyzkum vyzivy lidu, Praha-Krc.

(SEROTONIN physiol)

RYSANEK, K.; VITEK, V.; SPANKOVA, H.

Comparative studies on the effect of reserpine, deserpidine and deserpidine derivatives on the absorption of serotonin by the thrombocytes. *Activ. nerv. sup.* 4 no.2:204-205 '62.

1. Interní katedra UDL a Ústav experimentální terapie, Praha-Krc.

(RESERPINE pharmacol) (RAUWOLFIA pharmacol)  
(SEROTONIN blood) (BLOOD PLATELETS metab)



RYSANEK, K.; VITEK, V.; SPANKOVA, H.

Comparative effects of Reserpine and Fenoharman on the absorption and liberation of serotonin in vivo and in vitro. *Activ. nerv. sup.* 4 no.2:220-221 '62.

1. Interni katedra UDL, Vyzkumny ustav experimentalni terapie, Praha-Krc.

(INDOLES pharmacol) (PSYCHOPHARMACOLOGY)  
(SEROTONIN metab) (RESERPINE pharmacol).

RYSANĚK, K.; VITEK, V.

Effect of peroral Lysergyl in a patient with argentaffinoma. Activ. nerv.  
sup. 4 no.2:239-240 1962

1. Interni katedra UDL, Vyzkumny ustav experimentalni terapie,  
Praha-Krc.

(LYSERGIC ACID DIETHYLAMIDE ther)  
(SEROTONIN antag)  
(ARGENTAFFINOMA ther)

VOJTECHOVSKY, M.; VITEK, V.; RYSANEK, K.

Effect of neurohormone precursors from the amino acid group on experimental psychoses induced with Psilocybine. *Activ. nerv. sup.* 4 no.2: 243-244 '62.

1. Ustav pro vyzkum vyziivy lidu, Vyzkumny ustav experimentalni terapie v Praze-Krci.

(INDOLES toxicol) (HALLUCINOGENS toxicol)  
(DOPA pharmacol) (METHIONINE pharmacol)  
(SEROTONIN pharmacol)

RYSANEK, K.; SMAHEL, O.; SMAHELOVA, R.; VITEK, V.; VOJTECHOVSKY, M.

Effects of some substances on neuroregulatory mechanism. *Activ. nerv.*  
sup. 4 no.3/4:422-426 '62.

1. Institute for General and Experimental Pathology, Medical Faculty,  
Charles University Institute for Human Nutrition Research Institute  
for Experimental Therapy Chair of Internal Medicine, Institute for  
Postgraduate Medical Training,  
(PSYCHOSES) (BENACTYZINE) (TRANQUILIZING AGENTS) (DYES)  
(TRYPTOPHAN) (SEROTONIN) (MOMOAMINE OXIDASE) (INDOLACETIC ACID)  
(ANTI-HISTAMINICS) (HISTAMINE) (REFLEX)

VITEK, Vl.; RYSANEK, K.

Effect of antidepressive substances on monoamine oxidase in vitro  
and in vivo. Cesk. farm. 11 no.8:399-404 0 '62.

1. Vyzkumny ustav experimentalni terapie, Praha - Krc Interni katedra  
UDL, Praha - Krc.

(PHENIPRAZINE)	(PHENELZINE)	(ISOCARBOXAZID)
(IPRONIAZID)	(TRANLYCYPROMINE)	(IMIPRAMINE) (HYDRAZINES)
	(MONOAMINE OXIDASE)	

CZECHOSLOVAKIA

M. VOJTECHOVSKY, S. GROJ and V. VITEK, Institute for Nutritional Research (Ústav pro výzkum výživy), Fourth Psychiatry Department Krajské Institut of Public Health (4. Psychiatrická oddělení ÚNZ (Krajské ústav národního zdravotní), and Institute for Experimental Therapy (Ústav experimentální terapie), Prague.

"Clinical and Experimental Study of Central Effects of Adrenochrome."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 383-393.

Abstract [English summary modified]: Synthetic adrenochrome, from one home-made and one imported batch, administered sublingually 15 or 30 mg. to 15 volunteers including 5 psychiatric patients. Psychotic reactions were nearly universal, resembling LSD and psilocybin effects in some of the patients. Comprehensive data from this study tend to confirm hypotheses of Saskatchewan group that schizophrenia is somehow related to metabolic deficiencies of epinephrine breakdown. Table, 2 graphs; 3 Czech, 1 Soviet, 13 Western references.

CZECHOSLOVAKIA

VI. VITEK, K. RYSANEK, M. VOJTECHOVSKY and R. VEJDOVSKY, Experimental Therapy Research Institute (Vyzkumny ustav pro experimentalni terapie) Chair of Internal Medicine of Postgraduate Medical College (Interni katedra UDL), Institute for Research in Human Nutrition, and Tuberculosis Department of Thomayer Hospital (Oddeleni tbc pri Thomayerove nemocnici) Prague.

"Mechanism of Psychotropic Effects of Cycloserine Isomers."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 168-170.

Abstract: Studies on effect on tryptophan metabolism of d-, l-, and racemic cycloserine revealed that the l-isomer has strongest effect. It also had tranquillizing and antidepressant effect in 5 of 8 patients given 50 to 100 mg. thrice daily for 2 to 3 weeks. Five Soviet, 2 Czech (1 unpub.) 3 Western and 1 Japanese reference.

1/1

CZECHOSLOVAKIA

K. RYSANEK and VL. VITEK, Chair of Internal Medicine Postgraduate Medical College (Interni katedra UDL) and Experimental Therapy Research Institute (Vyzkumny ustav experimentalni terapie) Prague.

"Biochemical Properties of Propazepine."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 178-180.

Abstract: Imipramine and propazepine were found not to affect MAO in vivo in rat liver and brain, but repeated daily doses over 4 days apparently actually increased MAO activity in the liver. Both drugs decreased serotonin adsorption by platelets in vitro, and neither affected enzymatic oxidation of epinephrine. Graph; 5 Western and 1 Czech reference.

1/1



CZECHOSLOVAKIA

Yl. VITIK and K. RYSANEK, Experimental Therapy Research Institute (Vyzkumny ustav experimentalni terapie) and Chair of Internal Medicine of Postgraduate Medical College (Interni katedra UOL,) Prague.

"Determination of 3-Methoxy-4-Hydroxymandelic Acid in Psychopharmacologic Research."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 205-207.

Abstract : Description of authors' analytical technique for colorimetric and spectrophotometric analysis of this catecholamine metabolite in the urine. Reserpine and its Czech-made synthetic analog phenoharmane increase it, chlorpromazine lowers it slightly, ethanol causes it to peak sharply; daily rhythm of excretion and individual pattern stability must be considered in evaluation as some nervously labile persons have a very unpredictable daily curve on untreated baseline. Graph; 4 Western and 2 Czech references.

1/1

CZECHOSLOVAKIA

K. RYSAŇK and Vl. VÍTEK, Chair of Internal Medicine of Postgraduate Medical College and Experimental Therapy Research Institute, Prague.

"Effect of Lysenyl, Deseril and Other Serotonin Antagonists on Some Biochemical Parameters."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 210-211.

Abstract : Studies with Lysenyl (Czech-made derivative of lysergic acid) Deseril (Sandoz, lysergic acid butanolamide) and LSD-25 on serotonin adsorption by rabbit platelets: (all 3 drugs increased it); 5-hydroxyindolacetic acid excretion in man (i. and d. do not affect it) both Lysenyl and Deseril had potent peripheral antiserotonin effect in man, but did not affect flush syndrome in argentaaffinoma. Seven Western references.

1/1

BASS, A.; VITEK, V.

The metabolism of high energy phosphate compounds in denervated muscle. *Physiol. Bohemoslov.* 12 no.5:469-474 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences,  
Prague.

(MUSCLES) (SCIATIC NERVE) (COENZYMES)  
(ADENOSINE TRIPHOSPHATE) (ADENINE NUCLEOTIDES)

CZECHOSLOVAKIA

RYBANEK, K., VITSEK, V., VOJTECHOVSKY, M., and KULIK, E., Chair of Internal Medicine (Interni katedra), Institute for the Post-graduate training of Physicians (Ustav pro doskolovani lekaru), Research Institute for Experimental Therapy (Vyzkumny ustav experimentalni terapie), Prague, Docent O. SMAREL, MD, Dr of Sciences, director; and Institute for Nutrition Research (Ustav pro vyzkum vyživvy lidu), Prague, Prof. J. MASEK, MD, Dr of Sciences, director [individual affiliations cannot be determined].

"Effect of Fenoharman on the Excretion of 5-Hydroxyindolacetic Acid and 3-Methoxy-4-Hydroxymandelic Acid in Man."

Prague, Casopis Lekarů Ceských, Vol CII, no 40, 4 October 63, pp 1099-1102.

Abstract [Authors' English summary, modified]: A comparison of the concentration of electrophoretically divided lipoproteins in guinea pigs saturated with vitamin C and suffering from avitaminosis showed that early stages of the C avitaminosis increased significantly the level of  $\alpha_1$  and decreased the level of  $\alpha_2$  lipoproteins. A liver damage caused by administering carbontetrachloride had a considerable effect on the serum level of the lipoprotein fractions. In the first two days of intoxication both the saturated and avitaminous guinea pigs showed an increase of the  
1/2

CASOPIS LÉKARŮ

Prague, Casopis Lékaru Ceskych, Vol CII, No 40, 4 October 63,  
pp 1099-1102.

$\beta$ - and 0-fractions and a drop of the  $\alpha_2$ -fraction of lipoproteins. On the seventh day, after CCl<sub>4</sub> administration, both saturated and avitaminous guinea pigs showed a conspicuous tendency for normalization. Results proved that the early stage of the C avitaminosis had some effect on the mechanism which regulates the normal serum level of lipoproteins, but had no substantial effect on the course of reparatory processes after liver damage caused by tetrachlormethan. Thirteen references, including 3 Czech and 4 Russian.

2/2

7

RYSANEK, K.; VITEK, V. L.; VOJTECHOVSKY, M.

Interpretation of the psychostimulating effect of methylene blue. *Activ. nerv. sup.* 6 no. 1: 74-76 '64.

\*

VITEK, V.; RYSANEK, K.

Problems in interpretation of the mechanism of effect of psychopharmacological agents. *Activ. nerv. sup.* (Praha) 6 no.2: 160-165 '64

1. Vyzkumny ustav experimentalni terapie, Praha, a interni katedra UDL, Praha.

VOJTECHOVSKY, M.; RYSANEK, K.; VITEK. VI. Technicka spoluprace: BAMBASOVA, Z.;  
DOUBRAVOVA, J.; DOUBRAVOVA, M.

Humoral factors in the etiology of depression following treatment with Rauwolfia alkaloids and in alcoholics. Cesk. psychiat. 10 no.2:81-88 Ap'64.

1. Ustav pro vyzkum vyziwy lidu, Praha; Interna katedra UDL, Praha a Vyzkumny ustav experimentalni terapie, Praha.

\*



RYSANEK, K.; VITEK, V.

Clinical and biochemical comparative study of the antiserotonin effects of Lysenyl and Deseril. Cas. lek. ceak. 103 no.30: 830-834 27 JI'64

1. Interni katedra UDL a Vyzmukny ustav experimentalni terapie, Praha-Krc; reditel: prof. dr. O.Smahel, DrSc.

KROUPA, F.; VITEK, V.

Splitting of dislocation in b.c.c. metals on  $[110]$  planes.  
Chekhol fiz zhurnal 14 no.5:337-346 '64.

1. Institute of Physics, Czechoslovak Academy of Sciences, Prague 8, Lumumbova 1. (for Kroupa).
2. Research and Testing Institute, Skoda Works, Plzen (for Vitek).

VITK, V.

Remark on the vertical velocities of upper cyclones. Meteor  
zpravy 17 no.4:115-121 1961

1. Institute of Atmospheric Physics, Czechoslovak Academy of  
Sciences, Prague.

CZECHOSLOVAKIA UDC 616.12-009.72-085.777(-002.5)(:547.822.7:547.869.23  
-085.784.1(:547.631.7)-092.22

RYSANEK, K.; SVEHLA, G.; VITEK, V.; Chair of Internal Medicine,  
Institute for Postgraduate Medical Training and Research Institute  
of Experimental Therapy (Interni Katedra Ustavu pro Doskolovani Le-  
karu a Vyzkumny Ustav Experimentalni Terapie), Prague - Krc, Direc-  
tor (Reditel) Prof Dr O. SMAHEL.

"Comparison of the Effects of Iproniazid, Methylene Blue and Ben-  
actyzine on Angina Pectoris."

Prague, Casopis Lekaru Ceskych, Vol 105, No 22, 3 Jun 66, pp  
591 - 597

Abstract [Authors' English summary modified]: Methylene blue was  
much less effective than iproniazid; although there was a favorable  
effect on heart angina, it was positive only in 24% of the cases in-  
vestigated. The decreased blood pressure and pulse rate are probably  
the reason for the favorable effect of both drugs. Benactyzine was  
found to be ineffective, and in 2 patients even increased the pain.  
4 Figures, 1 Table, 43 Western, 9 Czech references. (Ms. rec. Dec.  
1/1 65).

L 36099-66 T/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6019272 SOURCE CODE: GE/0030/66/015/003/0557/0566

AUTHOR: Vitek, V.

ORG: Division of Physics, Central Research Institute Skoda, Plzen

TITLE: Dissociation of dislocations on  $\{110\}$  planes in anisotropic bcc metals

SOURCE: Physica status solidi, v. 15, no. 2, 1966, 557-566.

TOPIC TAGS: ~~anisotropic metal, dislocation dissociation, elasticity theory, body centered cubic metal, Burgers vector~~ *medium, cubic crystal, crystal dislocation, metal*

ABSTRACT: The dissociation of dislocations with Burgers vector  $1/2 \langle 111 \rangle$  and  $\langle 100 \rangle$  on  $\{110\}$  planes body centered cubic metals is studied. An analysis of the possible dissociations is carried out for eleven bcc metals, using the anisotropic elasticity theory. For those dissociations which are found to be energetically favorable, the widths of the extended dislocations are computed as functions of the stacking fault energy. The author wishes to express his thanks to Dr. F. Kroupa for valuable discussion and comments on the manuscript. Orig. art. has: 4 tables and 11 formulas. [Author's abstract.] [KS]

SUB CODE: 20/ SUBM DATE: 23Mar66/ ORIG REF: 001/ OTH REF: 026/

Card 1/1 LS

CZECHOSLOVAKIA

RYSANEK, K., VITEK, V.; Medical Clinic of Postgraduate Medical Institute, Prague; Research Institute for Experimental Therapy, Prague. [Orig. version not given] .

"The Excretion of 6-Hydroxylated Metabolites of Indoleacetic Acid Following Peroral Loading with Indoleacetic Acid."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 378 - 380

Abstract: Hydroxylation of IAA in the 6th position is discussed; its physiological meaning is unknown, but it is probably one of the detoxication reactions. The 6-hydroxylated compounds of indole affect the CNS more than the original compounds. Excretion of 6-HIAA after a peroral load of 3g of IAA was studied in 6 healthy subjects. The excretion of 6-HIAA increased to 26 mg / day from an original 8.2 mg as a result of the loading. 1 Figure, 8 Western, 2 Czech references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.  
1/1

CZECHOSLOVAKIA

RYSANEK, K.: VITEK, V.; SVEHLA, C.: Medical Clinic, Institute of Postgraduate Medical Training, Prague. [Orig. version not given]

"Hydroxylation of Indoleacetic Acid and of Tryptamine in Vitro; the Action of Monoaminoxidase Inhibitors."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 373-375

Abstract: The influence of iproniazid and tranlycypromine on hydroxylation of 6-hydroindoleacetic acid in vitro was investigated. Liver tissue had 10 times as high a hydroxylating activity for tryptamine as indoleacetic acid (IAA). Small intestine mucosa can hydroxylate tryptamine to 6-hydroxytryptamine, but its 6-hydroxylating potency is only 1/10 that of the liver. Iproniazid inhibited conversion of 6-HT by 16%; tranlycypromine showed no inhibitory action. 1 Figure, 1 Table, 3 Western, 1 Czech, 2 Japanese references, Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English

1/1

L 29474-66

ACC NR: AP6019976

SOURCE CODE: CZ/0079/65/007/003/0261/0262

AUTHOR: Rysanek, K. (Prague); Vitok, V.; Svehla, C.

ORG: Medical Clinic, Postgraduate Medical Institute, Prague

TITLE: <sup>22</sup>Serotonin level in human and animal thrombocytes after imipramine and propazepine<sup>22</sup> administration [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 261-262

TOPIC TAGS: serotonin, pharmacology, rabbit, man

ABSTRACT: Imipramine reduces the reabsorption of biogenic amines released by nervous impulses. Thereby the level of adronaline and serotonin in the tissues is reduced. Thrombocytes bind serotonin very fast, and therefore are suitable for the investigation of the effect of imipramine. The authors used rabbit thrombocytes for experiments in vitro; they found that the efficacy of propazepine was only  $\frac{1}{3}$  that of imipramine. Human thrombocytes in vivo indicated that propazepine had an effect one-third smaller than imipramine. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

1/1 f/



L 29471-66

ACC NR: AP6019979

SOURCE CODE: CZ/0079/65/007/003/0264/0264

AUTHOR: Rysanek, K. (Prague); Vitek, V. -

ORG: Medical Clinic, Postgraduate Medical Institute, Prague

TITLE: Evaluation of the Sloerdsma test of serotonin<sup>22</sup> conversion [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 264

TOPIC TAGS: serotonin, enzyme, biochemistry

ABSTRACT: The test is a valuable indicator of the monoamine oxidase inhibition in man if the investigated subjects have a minimum basic conversion of 50%, and if the variability of the conversion was examined before the test. The excretion of 5-hydroxyindoleacetic acid must be checked after more than 8 hours after test. An inhibition of conversion larger than 50% may be taken as a clear proof of monoamine oxidase inhibition. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 ✓

L 29463-66

ACC NR: AP6019986

SOURCE CODE: CZ/0079/65/007/003/0271/0273

AUTHOR: Vitek, V.; Rysanek, K.; Vojtechovsky, M.

26  
8

ORG: Research Institute for Experimental Therapy, Medical School of Postgraduate Medical Institute, Prague; Institute of Human Nutrition, Prague

TITLE: Excretion of tryptophan and catecholamine metabolites after [administration] of cycloserine isomers in man [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 271-273

TOPIC TAGS: tryptophan, biologic metabolism, pharmacology

ABSTRACT: 1-Cycloserine (CS) is the isomer that interferes most strongly with tryptophan metabolism. CS interference with tryptophan metabolism is not shown in the excretion of indoleacetic acid either in healthy or in sick subjects.

Orig. art. has: 1 figure. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 005 / OTH REF: 008/ SOV REF: 001

Card 1/1 *FV*

L 29402-66

ACC NR: AP6019988

SOURCE CODE: CZ/0079/65/007/03/0274/0276

AUTHOR: Horakova, Z.; Muratova, J.; Vitek, V.; Vojtechovsky, M. 22  
B

ORG: Research Institute for Pharmacy and Biochemistry, Prague

TITLE: Experimental and clinical analysis of cycloserine - amino acid interaction  
 /This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik,  
 20-23 January 1965/

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 274-276

TOPIC TAGS: amino acid, experiment animal, pharmacology, nervous system drug

ABSTRACT: In experiments on monkeys, the authors found that the  
 effect of l-cycloserine (CS) is antagonized by administration  
 of sodium glutamate. Experiments on patients showed that of  
 the drugs, psilocybin and iproniazide potentiate the effect of  
 CS while amphetamine has no effect on the CS action. The effect  
 of CS was also antagonized by alpha-ketoglutaric acid, pyri-  
 doxine methionine and succinic acid. The neurotoxic effect was  
 also potentiated by dl-DOPA, l-leucine, and l-serine. /Orig.

art. in Eng. /JPRS/

SUB CODE: 06/ SUBM DATE: none/

Card 1/1 CC

L 13580-66

ACC NR: AP6006063

SOURCE CODE: CZ/0053/65/014/004/0304/0305

AUTHOR: Mayer, O.; Vitek, V.; Suva, J. 27B

ORG: Institute of Pharmacology, Medical Faculty, Plzen (Farmakologicky ustav lek. fak.); Research Institute for Experimental Therapy, Prague (Vyzkumny ustav experimentalni terapie) 6

TITLE: Effect of cycloserine on enzymatic reactions in vitro and in vivo [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 27 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 304-305

TOPIC TAGS: biologic metabolism, biochemistry, isomer, enzyme

ABSTRACT: Contrasting reports of effects of various optical isomers of cycloserine on the pyridoxylphosphate enzymes may be due to the gradual metabolism of cycloserine in vivo and in vitro; test confirmed that both cycloserine isomers strongly inhibit glutamopyromucic transaminase. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 004  
SOV REF: 002

Cord 1/1 HW 2

VITEK, V., kand. fiz.-matem. nauk; TARAKANOV, S., kand. geogr. nauk

Scheme of surface circulation in the Antarctic. Meteor. i gidrol.  
no.12:35-37 D '65. (MIRA 18:11)

L. Institut fiziki atmosfery SSSR i Akademii nauk i  
Leningradskiy gidrometeorologicheskii institut.

L 12971-66 EWT(1)/EWA(1)/EWA(b).2 RO  
ACC NR: AP6005645 SOURCE CODE: CZ/0079/65/007/002/0152/0154

AUTHOR: Mayer, O.; Vitek, V.; Suva, J.

ORG: Institute of Pharmacology, Medical Faculty, Charles University, Plzen;  
Institute of Experimental Therapy, Prague

TITLE: Effect of cycloserine on enzyme activity in vitro [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Mariánské Lázně from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 152-154

TOPIC TAGS: drug effect, enzyme, rat, brain, antibiotic

ABSTRACT: Cycloserine (CS) is an antibiotic that shows different effects in vitro than in vivo. CS changes under certain conditions by dimerization to 2,5 bis-(aminooxymethyl)-3,6-diketopiperazine (BAMP). Effects of CS and BAMP were studied on rat brain in vitro; BAMP inhibits the formation of glutamic oxaloacetic acid (GO-T) more strongly than CS. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 003 / SOV REF: 002

Card 1/1

VITEK, V. (Chekhoslovakiya, Praga); MOLISH, Z. (Chekhoslovakiya, Praga)

Determination of the steepness of the power frequency characteristics of the power system of the Czechoslovakian S.S.R.

Izv. AN SSSR. Energ. i transp. no.1:26-37 Ja-F '65.

(MIRA 18:4)

VITEK, V.; RYBANEK, K.; HORAKOVA, Z.; MURATOVA, J.; VOJTECHOVSKY, M.;  
VEDDOVSKY, R.

An attempt at explaining the psychotropic effect of cycloserine  
isomers. Cas. lek. cesk. 104 no.5:113-124 5 F'65.

1. Vyzkumny ustav experimentalni terapie, interni katedra UDL,  
Praha-Krc (reditel: prof. dr. O. Smahel, DrSc); Vyzkumny ustav  
pro farmakii a biochemii, Praha (reditel: inz. dr. J. Nemecek);  
Ustav pro vyzkum vyziwy lidu, Praha, (reditel: prof. dr. dr.  
J. Masek, DrSc.) a Oddeleni tbc pri Thomayerove nemocnici,  
Praha-Krc (vedouci: MUDr. K. Prosek).



MAYER, O.; VITEK, V.; SUVA, J.

The effect of cycloserine on enzyme activity in vitro. *Activ. nerv. sup. (Praha)* 7 no.2:152-154 '65

1. Institute of Pharmacology, Medical Faculty Plzen; Institute of Experimental Therapy, Prague, 2. O. Mayer's address: Plzen, Karlovaratka 48.

VITEK, V.; RYSANEK, K.

Ornithine carbamyltransferase and glutamic-pyruvic acid trans-aminase. Cas. lek. cesk. 104 no.19:506-510 14 My '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu pro doskolovani lekaru, Praha-Krc, (reditel: prof. dr. O. Smahel, DrSc.). 2. V.Vitek's address: Praha-Krc, Budejoviska 800.

ACCESSION NR: AP4038557

Z/0055/64/014/005/0337/0346

AUTHOR: Kroupa, F.; Vitek, V.

TITLE: Splitting of dislocations in b.c.c. metals on  $\{110\}$  planes

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 5, 1964, 337-346

TOPIC TAGS: elastic energy, good material, bad material, stored energy, screw dislocation, crystallography, stacking fault, solid state physics, metal crystal, metal crystal distortion, crystal dislocation

ABSTRACT: This article examines three possible splittings of a screw dislocation on  $\{110\}$  planes of a metal with a b.c.c. lattice. Their total elastic energy is calculated and the dependence of the splitting width on the stacking fault energy is studied. The three possible screw dislocation splittings are shown in Figure 2 of the enclosure. In case (a), the splitting occurs on a single  $\{110\}$  type plane. In case (b), the screw dislocation with  $b = \frac{1}{2} [111]$  splits on three  $\{110\}$  type planes into four dislocations according to the reaction

$$\frac{1}{2} [111] = \frac{1}{8} [110] + \frac{1}{8} [101] + \frac{1}{8} [011] + \frac{1}{2} [111].$$

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ACCESSION NR: AP4038557

In case (o), the screw dislocation with Burgers vector  $b = \frac{1}{2} [111]$  again splits into six partials according to the reaction

$$\frac{1}{2} [111] = \frac{1}{8} [110] / \frac{1}{8} [110] / \frac{1}{8} [101] / \frac{1}{8} [101] / \frac{1}{8} [011] / \frac{1}{8} [011].$$

The total elastic energy per unit length of the extended dislocation is equal to

$$E = E_0 / E_{INT}^S / E_{INT}^E$$

where  $E_{INT}^S$  is the interaction energy of the partials and  $E_{INT}^E$  is the interaction energy of the edge parts. Author shows that the total stacking fault energy is one or two orders lower than the elastic energy  $E$  for the equilibrium width of the extended dislocation. Alpha type splitting can occur during plastic working with a general dislocation loop in the  $\{110\}$  slip plane. The Burgers vector will also lie in the same plane. The only possible configuration here is the a type, for which the dislocation moves in  $\{110\}$  planes. The b and c configurations of Figure 1 are possible only with immobile pure screw dislocations. Before putting the screw dislocation with b or c configuration into motion, it must first be transformed into an a configuration. Splitting of the b or c type can also be responsible for the fact that the immobile screw parts of the dislocation are straight. With further

Card 2/4

ACCESSION NR: AP4038557

slip, movement takes place on that plane of {110} type planes on which the repeated a type splitting is energetically most favorable. "We wish to express our thanks to B. Sestak, CSC, and S. Libovicky for valuable comments and M. Jirincova for her help in carrying out the numerical calculations." Orig. art. has: 5 figures and 16 equations.

ASSOCIATION: Institute of Physics, Czech. Academy of Sciences, Prague; Research and Testing Institute, Skoda Works, Plzen

SUBMITTED: 20Sep63

DATE ACQ: 09Jun64

ENCL: 01

SUB CODE: SS,

NO REF SOV: 000

OTHER: 020

Cord 3/4

ACCESSION NR: AP4038657

ENCLOSURE: 01

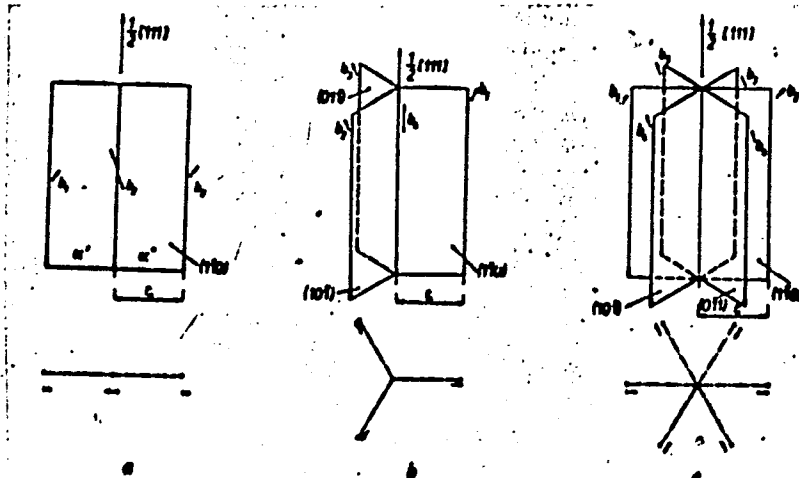


Fig. 1. Three splittings of screw dislocations with  $\alpha$ -type stacking faults on  $\{110\}$  planes

Card 4/4

VITEK, Vaclav

Available machine parts; prompt repair. Podnik organizace  
17 no.3:122-123 Mr '63.

1. Stavebni stroje, n.p., Zlicin.

VITEK, V. (Chekhoslovakiya, Praga)

Statistical method for measuring the steepness of the frequency  
characteristics of power system; and the dispersion of their loads.  
Izv. AN SSSR. Energ. 1 transp. no.1:26-37 Ja-F '65. (MIRA 18:4)



VITEK, V. Cand Tech Sci -- (diss) "Stability of power-engineering systems  
in <sup>relation</sup> ~~regard~~ to small disturbances." Mos, 1958. 13 pp (Min of Higher Education  
USSR. Mos Order of Lenin Power Engineering Inst), 110 copies. Bibliography  
pp 12-13 (10 titles) (KL, 11-58, 116)

-58-

VITEK, V.

Stability of turbines subjected to minor adjustments under parallel-operation conditions of electric power plants. Nauch. dokl. vys. shkoly; energ. no.2:89-98 '58. (MIRA 11:11)  
(Turbines)

VITEK, V.

"Sealing rings of circular cross sections." p. 302.

STROJIRENSKA VYROBA. (MINISTERSTVO TEZKEHO STROJIRENSTVI; MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)  
Praha, Czechoslovakia, Vol. 7, no. 7, July 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

VITEK, V. (Praga)

Effect of the speed control parameters of hydraulic turbines on  
the critical area of surge tanks. Izv. AN SSSR. Otd. tekhn. nauk.  
Energ. i avtom. no. 3:28-36 My-Je '60. (MIRA 13:7)  
(Hydraulic turbines)

VITEK, V., inz. CSc.

International symposium on the frequency and power control  
in the relay systems of the member states of the Council for  
Mutual Economic Assistance. Bul EGU no. 3/4:1-5 '63.

VITEK, V., inz., CSc.; MOLIS, Z., inz.

On the theory of performance figures of an electric power  
system. Bul EGU no. 3/4:20-26 '63.

VITEK, Vitold, inz., CSc.; MOLIS, Zdenek, inz.

Experimental tests in the interconnected electric system of the member states of the Council for Mutual Economic Assistance.  
Energetika Cz 13 no.7:342-349 J1 '63.

1. Vyzkumny ustav energeticky, Praha.

VITEK, V., inz., kandidat technickych ved

New scientific and technical information in the All-Union  
Scientific Research Institute of Electric Machine and Equipment  
Engineering in Kharkov. El tech obzor 52 no.5:273 My '63.



VITEK, Vitold, inz., kandidat technickych ved; HENDRYCH, Jaroslav

Effect of the coupling method of the turbine output primary and secondary control on the course of frequency control of an electric power system. El tech obzor 52 no.7:341-348 J1 163.

1. Vyzkumny ustav energeticky.

L 54057-65

ACCESSION NR: AP5016833

CZ/0017/64/053/012/0644/0649

AUTHOR: Vitek, Vitold (Engineer, Candidate of sciences)

TITLE: Statistical method for measurement of the frequency bias of a power system

SOURCE: Elektrotechnicky sbornik, v. 67, no. 12, 1983, 44-649

TOPIC TAGS: electric power engineering; electric distribution equipment;

Abstract (Author's English summary, modified):

The article presents the theoretical derivation of a statistical method for measurement of the frequency bias of a power system. The connection of two systems are discussed and a general solution for a interconnected systems is presented. The method was experimentally examined in 1982 on three interconnected systems of Czech countries, and the experimental results confirmed the correctness of the

formulas.

Card 1/2

L 54057-55  
ACCESSION NR: AP5016833

ASSOCIATION: Vyzkumny ustav energeticky, Prague (Power Research Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, HA

NO REF SOV: 004

OTHER: 005

JPRS

ci

Card 2/2

VITEK, V.

Dynamic methods of forecasting in synoptic meteorology. II. Kibel's method; in honor of the 75th anniversary of Professor Stanisla Hanzlik. p. 34  
METEOROLOGICKE ZPRAVY. Vol. 6, No. 2, May 1953

SO: Monthly East European Accession (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.